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Date: Wed, 30 Apr 1997 13:35:00 GMT
Message-Id: <199704301335.NAA09413@sco.theporch.com>
Errors-To: ws4s@infoave.net
Reply-To: glowbugs@sco.theporch.com
Originator: glowbugs@sco.theporch.com
Sender: glowbugs@sco.theporch.com
Precedence: bulk
To: Multiple recipients of list <glowbugs@sco.theporch.com>
Subject: GLOWBUGS digest 517
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@sco.theporch.com
Status: 0

GLOWBUGS Digest 517

Topics covered in this issue include:

- 1) Re: Questions about Svetlana tubes?
by SVETENGR@aol.com
- 2) Re: RAK/RAL Receivers
by "rmessick" <rmessick@map.com>

Date: Tue, 29 Apr 1997 13:00:23 -0400 (EDT)
From: SVETENGR@aol.com
To: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Questions about Svetlana tubes?
Message-ID: <970429130020_1886271031@emout07.mail.aol.com>

Sir:

Here are some answers to your requests about Svetlana tubes. Please feel free to forward this to the Glowbugs mailing list and other related lists.

For "antique triode" looks, the SV811-10 or SV572-10 would be useful for either an oscillator or a power amp. The SV-series triodes are derived from 811A and

572B,
respectively, minus the plate cap----they are intended for high-end audio amplifiers, where a plate cap would be an electrocution hazard. The SV811-10 has
a μ of 10, rated dissipation of 65 watts (it can handle more with color on the plates)
and maximum plate voltage of 800v due to the plate connection on the base. This
is a very conservative tube, with internal capacitances similar to the regular 811A.
The SV811-10 would be suitable for homebrew RF equipment, although I have yet to
see anyone using it for something other than audio. It looks like a 1930s triode, with
a large shoulder-type glass envelope and white ceramic base. It's a pretty tube, intended to look good in high-end amplifiers. Retail price is \$30, while our regular
811A is \$20.

The SV572-10 is a updated version of the SV811-10. The 572 types are
plug-in
replacements for the 811 types, except for a much greater plate dissipation and
a cylindrical glass envelope. The SV572-10 has a graphite plate with plate dissipation of 125 watts and maximum plate voltage of 1000v. Otherwise, it is an
exact replacement for the SV811-10. The Sv572s look like the old Sylvania 210 or a
miniature 211. The SV572s also come with a μ of 30 (similar to 812A) and 160 (just
a regular 572B without plate cap).

Both the SV811s and SV572s also come with a μ of 3. This is an insensitive tube, intended for low-distortion audio use in Class A1 service with no feedback. It's
probably not as easy to use in RF as the -10 version, due to a high drive voltage requirement.

All the above triodes have the same filament as our 811A---6.3v at 4 amps. They
all have roughly the same grid-plate capacitance of 8 pF. The SV811-10 or SV572-10 would be usable in any circuit intended for 211s or 10s, just change the filament power and (in a 211 circuit) the socket.

The advantage of these over old 10s or 211s is that the SV triodes are being manufactured and are easy to get.....there is a Chinese 211, which

many people don't know about; the 10 is out of production and becoming valuable due to its use by wealthy audiophiles in Asia. It would be safer to use SV811s or SV572s, simply due to the supply situation. Class C ratings aren't available, though you can probably deduce such ratings as being similar to the 811A and 572B while observing the plate-voltage maximum ratings.

As far as other glass tubes, Svetlana has a relatively small product line at this time.

We don't make a medium-mu triode like a 30 or 6J5 yet. Below are the other glass tubes in the line.

6AS7G (low-mu dual triode for power supply regulators, octal base)

6BM8 (high-mu triode and 7-watt power pentode in 9-pin mini envelope)

EL34 (popular power pentode, 25 watts, octal base)

SV6550C (popular beam-power tube, octal base)

SV6L6GC (popular beam-power tube, octal base, newly introduced)

EF86 (small low-noise audio pentode, built-in shield, 9-pin mini envelope)

EL509 (35-watt beam power "TV sweep" tube, magnoval base)

These types have a major advantage over "NOS" tube types--these are currently being manufactured in Russia. Folks who have sweep-tube linear amps or transmitters are having difficulty finding old American-type sweep tubes; the EL509

is suitable for retrofit into any equipment that has enough space for it.

We presently also have 811A, 572B, and 833A. Other tube types are planned for

future introduction. If anyone has further questions or would like data sheets about

these tubes, please contact us at (415) 233-0429 or email to svetengr@aol.com.

Please include your mailing address. If you have a web browser, our web page at

www.svetlana.com has all our current tube data sheets in Adobe Acrobat form, downloadable 24 hours a day, along with some audio application notes and other

information. If anyone does use our audio tubes for RF, please let us know.

Eric Barbour

Svetlana Electron Devices

Date: Tue, 29 Apr 1997 20:25:25 -0400

From: "rmessick" <rmessick@map.com>
To: <keng@uidaho.edu>,
Subject: Re: RAK/RAL Receivers
Message-ID: <19970430002743.AAB8927@harmessick9501.har2.dttus.com>

I'm new to the list and have been building regen sets for about a year now.

Like everyone else, I try to keep my eyes open at the hamfest for those hard to find items like vernier dial drives and smooth variable capacitors.

I sure would love to come across a set like a RAK/RAL or RBL series, but I don't know what they look like (size, etc.) I assume they have appropriate nameplates, etc., but are the rack mount types or "stand alone" sets? Any info (or directions to a web site that might have a picture) would be appreciated).

Thanks!

-Dick Messick

> From: Ken Gordon <keng@uidaho.edu>
> To: Multiple recipients of list <glowbugs@sco.theporch.com>
> Subject: Re: NEED GOOD INFO ON REGENS
> Date: Monday, April 28, 1997 10:02 PM
>
> The best info on good regens I know of is the tech manual for the RAK/RAL
> series or the RBL series of military regen receivers. These receivers
> were designed in the '20s or early '30s and were still in use on many
ships
> in many nations' services into the '60s.
>
> I wish I still had my old RAL-7 and RAK-7. Had an RBL once, but didn't
> get a chance to use it much before I had to move and lost track of where
> it went.
>
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End of GLOWBUGS Digest 517
